

Nikolai Strohfeltd

List of Publications by Year in descending order

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933447

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citing authors

#	ARTICLE	IF	CITATIONS
1	Optical Carbon Dioxide Detection in the Visible Down to the Single Digit ppm Range Using Plasmonic Perfect Absorbers. ACS Sensors, 2020, 5, 2628-2635.	7.8	10
2	Low-Cost Hydrogen Sensor in the ppm Range with Purely Optical Readout. ACS Sensors, 2020, 5, 978-983.	7.8	43
3	Design Principles for Sensitivity Optimization in Plasmonic Hydrogen Sensors. ACS Sensors, 2020, 5, 917-927.	7.8	39
4	Mathematical Modeling of a Plasmonic Palladium-Based Hydrogen Sensor. IEEE Sensors Journal, 2018, 18, 1946-1959.	4.7	10
5	Nanoscale Hydrogenography on Single Magnesium Nanoparticles. Nano Letters, 2018, 18, 4293-4302.	9.1	35
6	Single Plasmonic Oligomer Chiral Spectroscopy. Advanced Optical Materials, 2018, 6, 1800087.	7.3	29
7	Niobium as Alternative Material for Refractory and Active Plasmonics. ACS Photonics, 2018, 5, 3298-3304.	6.6	27
8	Modeling of pressure-composition isotherms and diffusion dynamics of a plasmonic palladium sensor for hydrogen detection. , 2017, , .		1
9	Nonlinear Refractory Plasmonics with Titanium Nitride Nanoantennas. Nano Letters, 2016, 16, 5708-5713.	9.1	115
10	Large-Area Low-Cost Plasmonic Perfect Absorber Chemical Sensor Fabricated by Laser Interference Lithography. ACS Sensors, 2016, 1, 1148-1154.	7.8	64
11	Thermodynamics of the hybrid interaction of hydrogen with palladium nanoparticles. Nature Materials, 2016, 15, 311-317.	27.5	170
12	Magnesium as Novel Material for Active Plasmonics in the Visible Wavelength Range. Nano Letters, 2015, 15, 7949-7955.	9.1	162
13	Yttrium Hydride Nanoantennas for Active Plasmonics. Nano Letters, 2014, 14, 1140-1147.	9.1	86